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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 10/632,026 | 07/31/2003 | Jay Lahti | P-11616.00 | 9661 |
| 27581 | 7590 | 12/05/2005 | EXAMINER | |
| MEDTRONIC, INC. 710 MEDTRONIC PARK MINNEAPOLIS, MN 55432-9924 | | | ALTER, ALYSSA M | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 3762 | |

DATE MAILED: 12/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|-----------------------------|------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/632,026 | LAHTI ET AL. | |
| | Examiner Alyssa M. Alter | Art Unit 3762 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 28 September 2005.
 2a) This action is **FINAL**. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1,3-17, 19-33 and 35-48 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1, 3-17, 19-33 and 35-48 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 31 July 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

| | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____. |

DETAILED ACTION

Applicant's arguments, see page 15, filed September 28, 2005, with respect to the rejection(s) of claim(s) 13-16, 29-32 and 45-48 under 35 U.S.C. 112 1st paragraph have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, Applicant's arguments filed September 28, 2005, with respect to the rejection(s) of claim(s) 1, 3-17, 19-33 and 35-48 under 35 U.S.C. 102(b) and 103(a) have been fully considered but they are not persuasive. Therefore, claims 1, 3-17, 19-33 and 35-48 stand rejected.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

1. Claims 1, 3-17, 19-33 and 35-48 stand provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-28 of copending Application No. 10/632058 (US Patent Publication 20050027327 A1). Although the conflicting claims are not identical, they are not

patentably distinct from each other because both have a connector assembly for detachably connecting a lead to an implantable medical device, comprising a deflectable connector clip including a first arm, a second arm, the connector clip capable of being deflected from a first position corresponding to a first relative position of the first arm and the second arm to a second position corresponding to a second relative position of the first arm and the second arm; and a housing having a first member and a second member, the first member formed to be fixedly engaged with the second member to enclose the connector clip within the housing, wherein the connector clip is positioned within one of the first member and the second member.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

2. Claims 1, 3-17, 19-33 and 35-48 stand provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-30 of copending Application No. 10/632028 (US Patent Publication 20050027326 A1). Although the conflicting claims are not identical, they are not patentably distinct from each other because both have a connector assembly for detachably connecting a lead to an implantable medical device, comprising a deflectable connector clip including a first arm, a second arm, the connector clip capable of being deflected from a first position corresponding to a first relative position of the first arm and the second arm to a second position corresponding to a second relative position of the first arm and the second arm; and a housing having a first member and a second member, the first member formed to be fixedly engaged with the

second member to enclose the connector clip within the housing, wherein the connector clip is positioned within one of the first member and the second member.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1, 3, 5-11, 17, 19 and 21-27 stand rejected under 35 U.S.C. 102(b) as being anticipated by Lim (US 5,769,671) for the reasons of record.

The Applicant argues that Lim does not teach “a housing portion having a first deflection portion deflecting the connector clip from a first position corresponding to a first distance between the first arm and the second arm, to a second position corresponding to a second distance between the first arm and the second arm”.

However, as the examiner previously stated, “the examiner considers the contact spring to be a clip with 23b as the first arm, 23d as the second arm, 23c as the top portion and 23a or the space between the two arms to be the bottom. The spring’s first arm and second arm both have inner sidewalls that are adjacent to each other. It is recognized that springs resist deformation from their relaxed condition. As a result, the sidewalls will inherently engage against each other when they are deformed from their

relaxed state, which the examiner considers the first position, to another position. In addition, the examiner considers the first cylindrical surface 12 to be the first deflection portion because this creates the first deflection of the spring from its original relaxed condition and the second cylinder 14 to be the second deflection portion.

As to the first, with is the relaxed state, second and third positions and distances of the clip, "The sheet metal forming this spring 2 has a thickness of about 0.003 inches and is a generally closed shape member defined by opposed free ends 31 and 33, which in the relaxed condition, define a gap referenced in FIG. 5 as 29. In the assembled condition of the connector and before the lead is introduced into the opening 10, the free ends of the spring maintain a spacing of approximately 0.005 inch"(col. 4, lines 27-33). Lim discloses that the gap 29 is approximately 0.005 inch when placed in the housing, before the introduction of a lead. Therefore, the second position is at a distance of approximately 0.005 inch and a third position is at a larger distance after the insertion of a lead. The third position will inherently create a larger gap since that will enable the spring to compress the lead.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

1. Claims 4, 12-16, 20, 28-33 and 35-48 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Lim (US 5,769,671) as previously made of record.

The Applicant argues again that Lim does not teach "a first arm extending from a top portion to a first end and the second arm extends from the top portion to a second end, and a first side wall along the first end and a second side wall along the second end, the first side wall being adjacent to and engaged against the second side wall when the connector clip is in the first position and the first end being engaged against the second end when the connector clip is in the second position".

However for reasons stated above and in the prior Office Action dated 6/2/05, the examiner considers this argument moot.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alyssa M. Alter whose telephone number is (571) 272-4939. The examiner can normally be reached on M-F 9am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Sykes can be reached on (571) 272-4955. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

Alyssa M. Alter
Alyssa M Alter
Examiner
Art Unit 3762

AA
JEFFREY R. JASTRZAB
PRIMARY EXAMINER

12/2/05